				U.S. Patent and Trademark Office; U.S. I	DEPARTMENT OF COMMERCE
Substit	ute for form 1449/	A/PTO		Application Number	10/827,390
OVERNOUS DESCRIPTION OF THE OWNER, AND ADDRESS OF THE OWNER, AND ADDRE				Filing Date	April 19, 2004
				First Named Inventor	Lowell L. Wood, Jr.
DIS	CLOSURE	STATEME	NT BY	Group Art Unit	3763
	APPI	LICANTS		Examiner Name	Catherine S. Williams
	(Use as many	y sheets as necessary))		
Sheet	1	of	19	Attorney Docket Number	0803-004-001D-000000

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This collection of information in required by 37 CPR 197 and 198. The information is required to obtain or retain absentle by the public which is to file (and by the USPR) to processal an application. Confidentiality is governed by 38 USES, 122 and 37 CPR 11.4 This collection is estimated to take 2, to hours to complete, including agabeting, preparing, and submitting the completed application form to the USPIO. Time will vary depending upon the individual case, Any comments on the amount of time you require to complete this from and/or suggestions for reducing this bushest, should be seen the Chief Information Officer, U.S. Patent and Trademach Office, U.S. Department of Commerce, P.O. Box 1490, Alexandrin, VA 22313-1450, DO NOT SIND FEED SIGN OWN TO THEN ADDRESS.

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		AL INFORM		First Named Inventor	Lowell L. Wood, Jr.
DISC	CLOSURE	E STATEME	ENT BY	Group Art Unit	3763
	APP:	LICANTS		Examiner Name	Catherine S. Williams
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	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	U.S. Patent Number Number-Kind Code ² (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee		
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		NTAL INFORN		First Named Inventor	Lowell L. Wood, Jr.
DIS	CLOSU	RE STATEME	NT BY	Group Art Unit	3763
	A	PPLICANTS		Examiner Name	Catherine S. Williams
	(Use as	many sheets as necessary)			
Sheet	3	of	19	Attorney Docket Number	0803-004-001D-000000

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Examiner	/Scott Medway/	Date	06/04/2009	
Signature	/Scott iviedway/	Considered	00/04/2009	

*EXAMINE: Initial if reference considered, whether or not citation is in conformance with MFPF 609. Draw line through citation if not in conformance and not considered, include copy of this from with next communication to applicant. "Applicants' using existent designation under (optional.) See Kinds Codes of USPTO Plants Decuments at \$\frac{\times \times \t

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				U.S. Patent and Trademark Office; U.S.	DEPARTMENT OF COMMERCE
Substitute for form 1449A/PTO		Application Number	10/827,390		
				Filing Date	April 19, 2004
SUPPLEMENTAL INFORMATION				First Named Inventor	Lowell L. Wood, Jr.
DIS	CLOSU	RE STATEME	NT BY	Group Art Unit	3763
	A	PPLICANTS		Examiner Name	Catherine S. Williams
	(Use as	many sheets as necessary)			
Sheet	4	of	19	Attorney Docket Number	0803-004-001D-000000

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This collection of information is required by 3 T CRR 1/97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPO) to process) an application. Confidentiality is governed by 33 USE, 1/22 and 3 T CRR 1.14. This collections is estimated to take 2, to hours to complete, including agabering, preparing, and submitting the completed application form to the USP1O. Time will vary depending upon the individual case, Any comments on the amount of time, you require to complete this from and/or suggestions for reducing this branch, sould be seen the off-chief Information Officer, U.S. Patent and Trademath Office, U.S. Department of Commerce, P.O. Box 14-9, Alexandria, VA 22313-1450, DO NOT SEND FEES FOR COMPLETED FORMS TO THIS ADDRESS.

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				U.S. Patent and Trademark Office; U.S.	DEPARTMENT OF COMMERCE
Substi	tute for form 144	PA/PTO		Application Number	10/827,390
				Filing Date	April 19, 2004
		TAL INFOR		First Named Inventor	Lowell L. Wood, Jr.
DIS	CLOSUR	E STATEM.	ENT BY	Group Art Unit	3763
	APP	LICANTS		Examiner Name	Catherine S. Williams
	(Use as ma.	ny sheets as necessar	y)		
Sheet	5	of	19	Attorney Docket Number	0803-004-001D-000000

	U.S. PATENT APPLICATION DOCUMENTS						
Examiner Initials*	Cite No. 1 U.S. Patent Application Publication Number Number-Kind Code ² (if known)		Publication Date (MM-DD-YYYY)	Name of Applicant			
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OMB 0651-0031

Examiner	/Scott Medway/	Date	06/04/2009		
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Substi	tute for form 1-	449A/PTO		Application Number	10/827,390
				Filing Date	April 19, 2004
		ITAL INFORM		First Named Inventor	Lowell L. Wood, Jr.
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	AF	PLICANTS		Examiner Name	Catherine S. Williams
	(Use as r	nany sheets as necessary)			
Sheet	6	of	19	Attorney Docket Number	0803-004-001D-000000

		NON PATENT LITERATURE DOCUMENTS
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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Examiner Signature	/Scott Medway/	Date Considered	06/04/2009		
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SUP:	PLEMENT	AL INFORM	IATION	First Named Inventor	Lowell L. Wood, Jr.
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		NON PATENT LITERATURE DOCUMENTS
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the iten (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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	EX	CHRISTENSEN, BILL; "Musclebot: Microrobot with a Heart"; Technovelgy.com; pp 1-2; bearing a date of 2/27/2004; located at http://www.technovelgy.com/ct/Science-Fiction-News.asp?NewsNum=46 ; printed on 9/12/2006

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				U.S. Patent and Trademark Office; U.S. I	DEPARTMENT OF COMMERCE
Substi	tute for form 1449	A/PTO		Application Number	10/827,390
				Filing Date	April 19, 2004
		AL INFORM		First Named Inventor	Lowell L. Wood, Jr.
DIS	CLOSURE	E STATEME	ENT BY	Group Art Unit	3763
	APP	LICANTS		Examiner Name	Catherine S. Williams
	(Use as man	y sheets as necessary)		
Sheet	8	of	19	Attorney Docket Number	0803-004-001D-000000

p	_	NON PATENT LITERATURE DOCUMENTS
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	EY	CHRISTENSEN, BILL; "Propulsion System for 'Fantastic Voyage' Robot"; Technovelgy.com; pp. 1-4; Technovelgy.com; located http://www.technovelgy.com/ct/Science-Fiction-News.asp?NewsNum=811 ; printed on 1/4/2007
	EZ	COSTAMAGNA; GUIDO M.D.; "PillCam™ SB Capsule Endoscopy"; Given Imaging.com; bearing dates of 2001-2006; pp. 1-4; located at http://www.givenimaging.com/Cultures/en- https://www.givenimaging.com/Cultures/en- https://ww
	FA	CUI, XINYAN; HETKE, JAMILLE F.; WILER, JAMES A.; ANDERSON, DAVID J.; MARTIN, DAVID C.; "Electrochemical Deposition and Characterization of Conducting Polymer Polypyrrole/PPS on Multichannel Neural Probes"; Sensors and Actuators A Physical; bearing a date of 2001; pp. 8-18; Vol. 93; Elsevier Science B.V.; located at: www.elsevier.com/locate/science
	FB	DARIO, P.; CARROZZA, M.C.; LENCIONI, L.; MAGNANI, B.; D'ATTANASIO, S.; "A Micro Robotic System for Colonoscopy"; Proceedings of the 1997 IEEE International Conference on Robotics and Automation; bearing dates of 04/1997 and 1997; pp. 1567-1572; IEEE
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	FE	DONOGHUE, JOHN P.; "Review: Connecting Cortex to Machines: Recent Advances in Brain Interfaces"; Nature Neuroscience Supplement; bearing a date on 11/2002; pp. 1085-1088; Vol. 5; Nature Publishing Group; located at: http://www.nature.com/natureneuroscience

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DIS	SCLOSURI	E STATEME	NT BY	Group Art Unit	3763
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Sheet	9	of	19	Attorney Docket Number	0803-004-001D-000000

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	FF	FANG, ZI-PING; MORTIMER, J. THOMAS; "Selective Activation of Small Motor Axons by Quasitrapezoidal Current Pulses"; IEEE Transactions on Biomedical Engineering; bearing a date of 02/1991; pp. 168-174; Vol. 38, No. 2; IEEE
	FG	FIACCABRINO, G.C.; TANG, XM.; SKINNER, N.; DE ROOIJ, N.F.; KOUDELKA-HEP, M.; "Electrochemical Characterization of Thin-Film Carbon Interdigitated Electrode Arrays"; Analytica Chimica Acta; bearing a date of 1996; pp. 155-160; Vol. 326; Elsevier Science B.V.
	FH	FREITAS JR., ROBERT A.; "\$2.1.2 Arteriocenous Microcirculation"; "9.4.3.5 Legged Ambulation"; "9.4.3.5 Tank-Tread Rolling"; "9.4.3.7 Amoeboid Locomotion"; "9.4.3.8 Inchworm Locomotion"; "Nanomedicine Volume B Basic Capabilities"; bearing a date of 1999; pp. 211-214, pp. 316-318; Landes Bioscience; Georgetown, Texas, USA
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	FJ	GODA, YUKIKO; COLICOS, MICHAEL A.; "Protocol: Photoconductive Stimulation of Neurons Cultured on Silicon Wafers"; Nature Protocols; bearing a date of 2006; pp. 461-467; Vol. 1, No. 1; Nature Publishing Group; located at: http://www.nature.com/natureprotocols
	FK	GOZANI, SHAI N.; MILLER, JOHN P.; "Optimal Discrimination and Classification of Neuronal Action Potential Waveforms from Multiunit, Multichannel Recordings Using Software-Based Linear Filters"; IEEE Transactions on Biomedical Engineering bearing a date of 04/1994; pp. 358-372; Vol. 41, No. 4; IEEE
	FL	GRAY, CHARLES M.; MALDONADO, PEDRO E.; WILSON, MATHEW; MCNAUGHTON, BRUCE; "Tetrodes Markedly Improve the Reliability and Yield of Multiple Single-Unit Isolation from Multi-Unit Recordings in Cat Striate Cortex"; Journal of Neuroscience Methods; bearing a date of 1995; pp. 43-54; Vol. 63; Elsevie Science B.V.

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10827390 - GAU: 3763 Receipt date: 01/23/2009

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Substi	tute for form 1449	DA/PTO		Application Number	10/827,390
				Filing Date	April 19, 2004
SUPPLEMENTAL INFORMATION				First Named Inventor	Lowell L. Wood, Jr.
DISCLOSURE STATEMENT BY			ENT BY	Group Art Unit	3763
	APP	LICANTS		Examiner Name	Catherine S. Williams
	(Use as ma)	ty sheets as necessary)		
Sheet	10	of	19	Attorney Docket Number	0803-004-001D-000000

		NON PATENT LITERATURE	DOCUMENTS				
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	FM	HAGLEITNER, C.; HIERLEMANN, A.; LANGE, D.; KUMMER, A.; KERNES N.; BRAND, O.; BALTES, H.; "Smart single-chip gas sensor microsystem"; Natu November 15, 2001; pp. 293-296; Vol. 414; Macmillan Magazines Ltd.; www.nature.com					
	FN	"Using a System-on-Chip Implantable De Blood or Lymph"; IEEE Transactions on	HANNA, DARRIN M.; OAKLEY, BARBARA A.; STRYKER, GABRIELLE A.; "Using a System-on-Chip Implantable Device to Filter Circulating Infected Cells in Blood or Lymph"; IEEE Transactions on Biomedical Engineering; bearing dates of January 25, 2003, March 2003; pp. 6-13; Vol. 2, No. 1; IEEE				
	FO	HODGKIN, A.L.; HUXLEY, A.F.; "A Quantitative Description of Membrane Curre and its Application to Conduction and Excitation in Nerve"; Journal of Physiology; bearing a date of 1952; pp. 500-544; Vol. 117					
	FP	HØEG, H.D.; SLATKIN, A.B.; BURDICK, J.W.; GRUNDFEST, DR. WARREN S. "Biomechanical Modeling of the Small Intestine as Required for the Design and Operation of a Robotic Endoscope"; Proceedings ICRA '00 IEEE International Conference on Robotics and Automation; 4/24/2000-4/28/2000; pp. 1-8; Volume 2					
	FQ	HOFMANN, U.G.; FOLKERS, A.; MÖSCH, F.; HÖHL, D.; KINDLUNDH, M.; NORLIN, P.; "A 64(128)-Channel Multisite Neuronal Recording System"; bearing date of 2002; pp. 1-4					
	FR	IKEUCHI, K.; YOSHINAKA, K.; HASHIMOTO, S.; TOMITA, N.; "Locomotion Medical Micro Robot with Spiral Ribs Using Mucus"; Seventh International Symposium on Micro Machine and Human Science; bearing a date of 1996; pp. 21 222; IEEE					
	FS INMANN, ANDREAS; HAUGLAND, MORTEN; HAASE, JENS; BIERING- SØRENSEN, FIN; SINKJAER, THOMAS; "NeuroReport: Signals from Skin Mechanoreceptors used in Control of a Hand Grasp Neuropsthesis"; Motor Sy bearing a date of 09/17/2001; pp. 2817-2819; Vol. 12, No. 13; Lippincott Willia Wilkins						
	FT JANDERS, M.; EGERT, U.; STELZE, M.; NISCH, W.; "Novel Thin Film Titaniu Nitride Micro-Electrodes with Excellent Charge Transfer Capability for Cell Stimulation and Sensing Applications"; IEEE Engineering in Medicine and Biolog Society; bearing a date of 1996; pp. 245-247; IEEE						
OMB 0651							
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Receipt date: 01/23/2009 10827390 GAU: 3763

				U.S. Patent and Trademark Office; U.S. I	DEPARTMENT OF COMMERCE
Substit	ute for form 144	9A/PTO		Application Number	10/827,390
				Filing Date	April 19, 2004
				First Named Inventor	Lowell L. Wood, Jr.
DISCLOSURE STATEMENT BY			NT BY	Group Art Unit	3763
	APF	LICANTS		Examiner Name	Catherine S. Williams
	(Use as ma	ny sheets as necessary)			
Sheet	11	of	19	Attorney Docket Number	0803-004-001D-000000

		NON PATENT LITERATU	RE DOCUMENTS		
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	FU	U "Japanese Researchers Unveil Medical Mini Robot"; Yahoo! News; bearing a date of 03/08/2007; pp. 1-2; Yahoo! Inc.; located at: http://news.yahoo.com/s/afp/20070308/hl_afp/afplifestyleshealthscience; printed on 03/08/2007			
	FV	JI, JIN; NAJAFI, KHALIL, WISE, K System for Active Multichannel Micr Biomedical Engineering; bearing a da	oelectrode Arrays"; IE	EE Transactions of	
	FW KASSIM, IRWAN; PHEE, LOUIS; NG, WAN S.; GONG, FENG; DARIO, PAOLI MOSSE, CHARLES A; "Locomotion Techniques for Robotic Colonoscopy"; IEEE ENGINEERING IN MEDICINE AND BIOLOGY MAGAZINE; bearing dates of May/June 2006 and 2006; pp. 49-56; IEEE				
	FX	KENNEDY, P.R.; BAKAY, R.A.E.; MOORE, M.M.; ADAMS, K.; GOLDWAITHE, J.; "Direct Control of a Computer from the Human Central Nervous System"; IEEE Transactions on Rehabilitation Engineering; bearing a date of 06/2000; pp. 198-202; Vol. 8, No. 2: IEEE			
	FY KOBETIC, RUDI; TRIOLO, RONALD J.; UHLIR, JAMES P.; BIERI, CAROLE; WIBOWO, MICHAEL; POLANDO, GORDIE; MARSOLAIS, E. BYRON; DAVI JR., JOHN A.; FERGUSON, KATHLEEN A.; SHARMA, MUUXIT; "Implanted Functional Electrical Stimulation System for Mobility in Parapkegia: A Follow-Up Case Report"; IEEE Transactions on Rehabilitation Engineering; bearing a date of 12/1999; pp. 390–398; Vol. 7, No. 4; IEEE				
	FZ KRUEGER, CURTIS; "New light on blood testing"; October 20, 2006; pp. 1-2; Petersburg Times; printed on 10/24/2006; located at http://www.sptimes.com/2006/10/20news_pf/Tampabay/New_light_on_blood_tel				
	GA LANGER, ROBERT; PEPPAS, NICHOLAS A.; "Advances in Biomaterials, Delivery, and Bionanotechnology; AIChE Journal – BIOENGINEERING, F AND NATURAL PRODUCTS; December 2003; pp. 2990-3006; Vol. 49, No.			NGINEERING, FOOD,	
	GB LOEB, G.E.; PECK, R.A.; MARTYNIUK, J.; "Toward the Ultimate Metal Microelectrode"; Journal of Neuroscience Methods; bearing a date of 1995; pp. 17- 183; Vol. 65; Elsevier Science B.V.				
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Substi	itute for form 14	I9A/PTO		Application Number	10/827,390
				Filing Date	April 19, 2004
SUP	PLEMEN	TAL INFORM	IATION	First Named Inventor	Lowell L. Wood, Jr.
DIS	CLOSUR	E STATEME	NT BY	Group Art Unit	3763
	AP	PLICANTS		Examiner Name	Catherine S. Williams
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	GC	LOEB, GERALD E.; PECK, RAYMOND A.; MOORE, WILLIAM H.; HOOD, KEVIN; "BION System for Distributed Neural Prosthetic Interfaces"; Medical Engineering and Physics; bearing a date of 2001; pp. 9-18; Vol. 23; Elsevier Science Ltd.; located at: www.elsevier.com/locate/medengsphy
	GD	LU, ZHAO; MARTEL, SYLVAIN; "Preliminary Investigation of Bio-carriers Using Magnetotactic Bacteria"; Proceedings of the 28th IEEE EMBS Annual International Conference; bearing dates of 8/30/2006-9/03/2006 and 2006; pp. 3415-3418; IEEE
	GE	MANGAN, ELIZABETH V.; KINGSLEY, DAN A.; QUINN, ROGER D.; CHIEL, HILLEL J.; "Development of a Peristaltic Endoscope"; IEEE International Conference on Robotics & Automation 2002; pp. 1-6; located at https://biorobots.cvvri.edu/publications/ICRA02_Mangan_Endoscope.pdf
	GF	MARKS, WILLIAM B.; LOEB, GERALD E.; "Action Currents, Internodal Potentials, and Extracellular Records of Myelinated Mammalian Nerve Fibers Derived from Node Potentials"; Biophysical Journal; 1976; pp. 655-668; Vol. 16
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	GJ	MATHIEU, J-B.; MARTEL, S.; YAHIA, L'H.; SOULEZ, G.; BEAUDOIN, G.; "MRI Systems as a Mean of Propulsion for a Microdevice in Blood Vessels"; bearing a date of 2003; pp. 3419-3422; IEEE

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DIS	DISCLOSURE STATEMENT BY			Group Art Unit	3763
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	GK	MATSUI, TAKEMI, MATSUMURA, KOUJI, HAGISAWA, KOUSUKE; ISHIHARA, MASAYUKI; ISHIJZUKA, TOSHIJAKI, SUZUKI, MINORU; KURITA, AKIRA; KIKUCHI, MAKOTO; "A Novel Ferromagnetic Thermo-Stent for Plaque Stabilization That Self-Regulates the Temperature"; IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING; bearing dates of 06/2002 and 2002; pp. 621-623; Vol. 49, No. 6; IEEE
	GL	MCNEAL, DONALD R.; "Analysis of a Model for Excitation of Myelinated Nerve"; IEEE Transactions on Biomedical Engineering; bearing a date of 07/1976; pp. 329- 337; Vol. BME-23, No. 4
	GM	MEIER, P.; OBERTHÜR, S.; LANG, M.; "Development of a compliant device for minimally invasive surgery"; Proceedings of the 28th IEEE EMBS Annual International Conference; bearing dates of 8/30/2006-9/03/2006 and 2006; pp. 331-334; IEEE
	GN	"MEMS at the cutting edge®, Patent Pending"; VERIMETRA; pp. 1-2; located at http://www.verimetra.com/flow.htm ; printed on 5/04/2006
	GO	MENCIASSI, A.; PARK, JONG H.; LEE, S.; GORINI, S.; DARIO, P.; PARK, JONG OH; "Robotic Solutions and Mechanisms for a Semi-Autonomous Endoscope"; Proceedings of the 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems; bearing a date of 2002; pp. 1379–1384; IEEE
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	GQ	MOSSE, CHARLES; MILLS, TIM; APPLEYARD, MARK; SWAIN, PAUL; "Electrostimulation to move endoscopes in the small bowel"; Proceedings of SPIE; bearing a date of 2001; pp. 24-28; Volume 4158
	GR	MURTHY, S. NARASIMHA; HIREMATH, SHOBHA RANI R.; "Physical and Chemical Permeation Enhancers in Transdemail Delivery of Terbutaline Sulphate"; AAPS PharmSciTech; bearing a date of 2001; pp. 1-5; Vol. 2001, 2(1); Technical Not 1; located at http://www.pharmscitech.com/

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SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Receipt date: 01/23/2009 10827390 GAU: 3763

				U.S. Patent and Trademark Office; U.S. I	DEPARTMENT OF COMMERCE
Substit	ute for form 144	9A/PTO		Application Number	10/827,390
				Filing Date	April 19, 2004
SUPPLEMENTAL INFORMATION				First Named Inventor	Lowell L. Wood, Jr.
DISCLOSURE STATEMENT BY			ENT BY	Group Art Unit	3763
	API	PLICANTS		Examiner Name	Catherine S. Williams
	(Use as ma	ny sheets as necessary)		
Sheet	14	of	19	Attorney Docket Number	0803-004-001D-000000

		NON PATENT LITERATURE DOCUMENTS
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
	GS	NAKAYAMA, YASUHIDE; JI-YOUN, KIM; NISHI, SHOGO; UENO, HIKARU; MATSUDA, TAKEHISA; "Development of high-performance stent: gelatinous photogel-coated stent that permits drug delivery and gene transfer"; J Biomed Mater Res; bearing dates of 11/13/2000, 04/23/2001, 05/10/2001 and 2001; pp. 559-566; Vol. 57; John Wiley & Sons, Inc.
	GT	NAQVI, NASIR H.; RUDRAUF, DAVID; DAMASIO, HANNA; BECHARA, ANTOINE; "Damage to the Insula Disrupts Addiction to Cigarette Smoking"; Science; bearing a date of 01/26/2007; pp. 531-534; Vol. 315, No. 531; located at: www.sciencemag.org ; printed on 01/25/2007
	GU	NETO, A.M. FIGUEIREDO; GODINHO, M.H.; TOTH-KATONA, T.; PALFFY-MUHORAY, P.; "Optical, Magnetic and Dielectric Properties of Non-Liquid Crystalline Elastomers Doped with Magnetic Colloids"; Brazilian Journal of Physics; Bearing a date of March 2005; pp. 184-189; Volume 35, Number 1
	GV	"New Medical Device Combines Wireless and MEMS Technology"; Georgia Institute of Technology; pp. 1-4; Phys/Grg.com; located at: http://www.physorg.com/printnews.ph/prinessid=10533; printed on 02/20/2006
	GW	NIEUWENHUIZEN-BERKOVITS, P.; "lubrelastic medical appliances"; Lubrelastic Medical Appliances; pp. 1-4; located at: http://www.xs4all.nl/~plien070/caeng.html ; printed on 02/20/2006
	GX	NYITRAI, ZSOLT; ILLYEFALVI-VITÉZ, ZSOLT; PINKOLA, JÁNOS; "Preparing Stents with Masking & Etching Technology"; 26th International Spring Seminar on Electronics Technology; bearing dates of 5/8/2003-5/11/2003 and 2003; pp. 321-324; IEEE
	GY	OLSSON III, R.H.; GULARI, M.N.; WISE, K.D.; "Poster 114: Silicon Neural Recording Arrays with On-Chip Electronics for In-Vivo Data Acquisition"; Microtechnologies in Medicine and Biology; bearing dates of 05/02/2002-05/04/2002; pp. 237-240; IEEE
	GZ	OWEISS, KARIM G.; ANDERSON, DAVID J.; "A New Technique for Blind Source Separation Using Subband Subspace Analysis in Correlated Multichannel Signal Environments"; bearing a date of 2001; pp. 2813-2816; IEEE

OMB 0651-0031

Examiner | Scott Medway | Date | O6/04/2009 | Signature | Considered |

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Substi	tute for form 144	PA/PTO		Application Number	10/827,390
				Filing Date	April 19, 2004
SUPI	PLEMENT	TAL INFORM	1ATION	First Named Inventor	Lowell L. Wood, Jr.
DISCLOSURE STATEMENT BY			NT BY	Group Art Unit	3763
	APP	LICANTS		Examiner Name	Catherine S. Williams
	(Use as ma	ny sheets as necessary)			
Sheet	15	of	19	Attorney Docket Number	0803-004-001D-000000

		NON PATENT LITERATURE DOCUMENTS
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	НА	PATRONIK, N.A.; OTA, T.; ZENATI, M.A.; RIVIERE, C.N.; "Improved Traction for a Mobile Robot Traveling on the Heart"; Proceedings of the 28th IEEE EMBS Annual International Conference; bearing dates of 8/30/2006-9/03/2006 and 2006; pp. 339-342; IEEE
	НВ	PCT International Search Report App. No.: PCT/US05/33475; dated 05 September 2006; pp. 1-2.
	НС	PECKHAM, P. HUNTER; KNUTSON, JAYME S.; "Functional Electrical Simulation for Neuromuscular Applications"; Annual Review Biomedical Engineering; bearing a date of 2005; pp. 327-360; Vol. 7; Annual Reviews
	HD	RATTAY, F.; "The Basic Mechanism for the Electrical Stimulation of the Nervous System", Neuroscience; 1999; pp. 335-346; Vol. 98. No. 2; Elsevier Science Ltd; printed on 03/15/2007
	HE	RATTAY, FRANK, ABERHAM, MATTHIAS; "Modeling Axon Membranes from Functional Electrical Stimulation"; IEEE Transactions on Biomedical Engineering; bearing a date of 12/1993; pp. 1201-1209; Vol. 40, No. 12; IEEE
	HF	RATTAY, FRANK; "Analysis of Models for Extracellular Fiber Stimulation"; IEEE Transactions on Biomedical Engineering; bearing a date of 07/1989; pp. 676-682; Vol. 36, No. 7; IEEE
	HG	"Remote-Control Electrostimulation Capsule"; Popular Science; bearing dates of 2002 and 2003; pp. 1-2; located at http://www.popsci.com/popsci/brown/2003/article/0.18881,537028.00.html ; printed on 5/04/2006
	нн	"Researchers: Squid-Inspired Vortex Generators Could Mean Better Propulsion for Unmanned Underwater Vehicles"; Underwater Times.com; 12/12/2006; pp. 1-2; UnderwaterTimes.com; printed on 01/04/2007; located at http://www.underwatertimes.com/print.php?article_id=51030782641
	ні	RICE, MIKE; "Implantable Neurostimulation Device Market Poised for Explosive Growth"; Future Fab International; 1/7/2006; pp. 1-4; printed on 10/6/2006; located at https://www.future-fab.com/documents.asp?d_ID=3725

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Substit	Substitute for form 1449A/PTO		Application Number	10/827,390	
				Filing Date	April 19, 2004
SUPF	PLEMENT	TAL INFORM	MATION	First Named Inventor	Lowell L. Wood, Jr.
DISCLOSURE STATEMENT BY			ENT BY	Group Art Unit	3763
	APP	LICANTS		Examiner Name	Catherine S. Williams
	(Use as ma)	ny sheets as necessary)		
Sheet	16	of	19	Attorney Docket Number	0803-004-001D-000000

		NON PATENT LITERATURE DOCUMENTS
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	НЈ	RICE, MIKE: "New Products, Emphasis on Miniaturization Driving Medical Device Innovation"; bearing a date 8/23/2006, pp. 1-3; Advantage Business Media; located a http://www.mdtmag.com/scripts/ShowPR.ass/PUDICODE=046&ACCT=0006109&IS SUE=6603&RELTYPE=PR&PRODCODE=0790&PRODLETT=A; printed on 8/23/2006
	HK	RIEDMÜLLER, J.; BOLZ, A.; REBLING, H.; SCHALDACH, M.; "Improvement of Stimulation and Sensing Performance of Bipolar Pacemaker Leads"; IEEE Eng. Med. Biol. Soc.; 1992; pp. 2364-2365; IEEE
	HL	ROBINSON, DAVID A.; "The Electrical Properties of Metal Microelectrodes"; Proceedings of the IEEE; bearing a date of 06/1968; pp. 1065-1071; Vol. 56, No. 6
	НМ	ROUSCHE, PATRICK J.; PELLINEN, DAVID S.; PIVIN, DAVID P.; WILLIAMS, JUSTIN C.; VETTER, RIO J.; KIPKE, DARYL R.; "Flexible Polyimide-Based Intracortical Electrode Arrays with Bioactive Capability"; IEEE Transactions on Biomedical Engineering; bearing a date 03/2001; pp. 361-371; Vol. 48, No. 3; IEEE
	HN	RUTTEN, WIM; MOUVEROUX, JEAN-MARIE; BUITENWEG, JAN; HEIDA, CISKA; RUARDIJ, TEUN; MARANI, ENRICO; LAKKE, EGBERT; "Neuroelectronic Interfacing with Cultured Multielectrode Arrays Toward a Cultured Probe"; Proceedings of the IEEE; bearing a date of 07/2001; pp. 1013-1029; Vol. 89, No. 7; IEEE
	НО	SALTZMAN, JOHN R.; "Endoscopic Advances A View Toward the Future"; bearing dates of 5/04/2006, 05/17/2005, and 2005; pp. 1-4; Medscape; located at http://www.medscape.com/viewarticle/505100; printed on 5/04/2006
	HP	SCHMIDT, W.; BEHRENS, P.; BEHREND, D.; SCHMITZ, KP.; ANDRESEN, R.; "Experimental Study of Peripheral, Balloon-expandable Stent Systems"; Progress in Biomedical Research; bearing a date of 05/2001; pp. 246-255
	HQ	SCHOONHOVEN, R.; STEGEMAN, D.F.; "Models and Analysis of Compound Nerve Action Potentials"; Critical Reviews in Biomedical Engineering; bearing a date of 1991; pp. 47-111; Vol. 19, No. 1; CRC Press, Inc.

OMB	065	L-003:	

Examiner Signature	/Scott Medway/	Date Considered	06/04/2009	

*FXAMUNEX Initial if reference considered, whether or not citation is in conformance with MFPF 600. Prove line through citation if not in conformance and not considered, helded copy of this form with next communication to applicant. Applicant's unique citation designation underectopical, 3.75 Kinds Codes of USPTO Patent Documents at **\times_MENDOLOGY** of MFPF 901.04. **Inter Office that issued the document, by the two-letter code (WIPO Stander ST.1.5) **Companies peared southerness. The standard ST.1.5 if the Spanese peared softwares, the indication of the year of the region of the Emperen must provide the serial number of the patent of continued. **Xind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1.6 if possible. **Applicant is to indicate here it English imaging Timatalism is attached.

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				U.S. Patent and Trademark Office; U.S.	DEPARTMENT OF COMMERCE
Substi	tute for form 1449	A/PTO		Application Number	10/827,390
			Filing Date	April 19, 2004	
SUPPLEMENTAL INFORMATION			1ATION	First Named Inventor	Lowell L. Wood, Jr.
DISCLOSURE STATEMENT BY			NT BY	Group Art Unit	3763
APPLICANTS				Examiner Name	Catherine S. Williams
	(Use as max	y sheets as necessary)			
Sheet	17	of	19	Attorney Docket Number	0803-004-001D-000000

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	NON PATENT LITERATURE DOCUMENTS					
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	HR	SENEL, SEVDA; HINCAL, A. ATILLA; "Drug permeation enhancement via buccal route: possibilities and limitations"; Journal of Controlled Release; bearing a date of 2001; pp. 133-144; Vol. 72 (2001); Elsevier; located at www.elsevier.com/locate/foomrel				
	HS	SERRUYA, MIJAIL D.; HATSOPOULOS, NICHOLAS G.; PANINSKI, LIAM; FELLOWS, MATTHEW R.; DONOGHUE, JOHN P.; "Brief Communications: Instant Neural Control of a Movement Signal"; Nature; bearing a date of 03/14/2002; pp. 141-142; Vol. 416; Macmillan Magazines Ltd; located at: www.nature.com				
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	HU	SHABALOVSKAYA, SVETLANA, A.; "Surface, corrosion and biocompatibility aspects of Niitnol as an implant materiar"; Bio-Medical Materials and Engineering; bearing dates of 04/04/2001, and 2002; pp. 69-109; Vol. 12; IOS Pres				
	HV	SHAHINPOOR, MOHSEN; KIM, KWANG J.; "fonic polymer-metal composites: IV. Industrial and medical applications; Smart Materials and Structures; 2005; pp. 197- 214; Vol. 14; Institute of Physics Publishing				
	HW	SMITH, MICHAEL; "PAS: Nasal Spray Flu Vaccine Seems Safe and Effective in Young"; May 2, 2006; pp. 1-2; MedPage Today, LLC; bearing dates of 2004-2006; printed on 05/04/2006; located at http://www.medpagetoday.com/lbprint.cfm?tbid=3213				
	HX	SNOEK, GJ; IJZERMAN, MJ; IN 'T GROEN, FACG; STOFFERS, TS; ZILVOLD, G; "Use of the NESS Handmaster to Restore Handfunction in Tetraplegia: Clinical Experiences in Ten Patients"; Spinal Cord; bearing a date of 2000; pp. 244-249; Vol. 38; International Medical Society of Paraplegia				
	HY	SNOW, E.S.; PERKINS, F.K.; HOUSER, E.J.; BADESCU, S.C.; REINECKE, T. L.; "Chemical Detection with a Single-Walled Carbon Nanotube Capacitor"; Science; March 25, 2005; pp. 1942-1945; Vol. 307; www.sciencemag.org				

Examiner Signature	/Scott Medway/	Date Considered	06/04/2009

**EAAMINER: Initial it reference considered, whether or not citation is in conformance with MPPF 609. Draw line through citation if not in concinemance and not considered. Applicated single citation designation unapplicate and not considered. Applicated single citation designation unapplication of a position and proposition of the pro

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Substi	Substitute for form 1449A/PTO			Application Number	10/827,390
			Filing Date	April 19, 2004	
SUPPLEMENTAL INFORMATION				First Named Inventor	Lowell L. Wood, Jr.
DISCLOSURE STATEMENT BY			ENT BY	Group Art Unit	3763
APPLICANTS				Examiner Name	Catherine S. Williams
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	HZ	STOECKEL, DIETER; PELTON, ALAN; DUERIG, TOM; "Self-expanding nitinol stents: material and design considerations"; European Radiology; bearing dates of 01/28/2003, 05/22/2003, 07/01/2003, 09/03/2003, 02/2004 and 2004; pp. 292-301(1-2); Vol. 14, No. 2; Springer-Verlag GmbH-Springer-Link - Article; located at: http://www.springerlink.com/lbegg455gtisecagnyb439/napp/bome/contribution.asp/2rcferre-parent&backto-issue,17.26;journal,27,147;browsepublicationsresults,444,1551; printed on 02/22/2006
	IA	STRAUSS, BRADLEY H., M.D., PH.D.; LJ., CRRIS, M.D.; WHITTINGHAM, HEATHER A., M.S.; TIO, FERMIN O., M.D.; KUTRYK, MICHAEL J.B., M.D., PH.D.; JANICKI, CHRISTIAN, PH.D.; SPARKES, JOHN, D., M.S.C.; TURNLUND, TODD, B.S.C.; SWEET, WILLIAM L., M.D.; "LATE EFFECTS OF LOW-ENERGY GAMMA-EMITTING STENTS IN A RABBIT ILIAC ARTERY MODEL"; Int. J. Radiation Oncology Biol. Phys.; bearing dates of 10:23/2001, 05/13/2002 and 05/15/2002 and 2002; pp. 531-561; Vol. 45, No. 2; Elsevier Science Inc.
	IB	STRUJK, JOHANNES JAN; "The Extracellular Potential of a Myelinated Nerve Fiber in an Unbounded Medium and in Nerve Culf Models"; Biophysical Journal; bearing a date of 06/1997; pp. 2457-2465; Vol. 72; Biophysical Society
	IC	TAYLOR, DAWN M.; HELMS TILLERY, STEPHEN I.; SCHWARTZ, ANDREW B.; "Research Article: Direct Cortical Control of 3D Neuroprosthetic Devices"; Science; bearing a date of 06/07/2002; pp. 1829-1832; Vol. 296; located at: www.sciencemag.org
	ID	"Tiny Robot Reduces Need For Surgery"; Pink Tentacle; bearing a date of 02/26/2007; p.1; located at https://www.pinktentacle.com/2007/02/tiny-robot-reduces-need-for-surgery: printed on 03/08/2007
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	IF	TUMMALA, R. LAL; MUKHERJEE, R.; ASLAM, D.; XI, NING; MAHADEVAN, S.; WENG, J.; "Reconfigurable Adaptable Micro-robot"; IEEE; bearing a date of 1999; pp. 687-691

Examiner	10 1111 1	Date	06/04/2009
Signature	/Scott Medway/	Considered	00/07/2000

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	IG	TWARDOCH, U.M.; "Integrity of Ultramicro-Stimulation Electrodes Determined from Electrochemical Measurements"; Journal of Applied Electrochemistry; bearing a date of 1994; pp. 835-857; Vol. 24; Chapman & Hall
	IH	WARLAND, DAVID K.; REINAGEL, PAMELA; MEISTER, MARKUS; "Decoding Visual Information from a Population of Retinal Ganglion Cells"; bearing a date of 1997; pp. 2336-2350; The American Physiological Society
	п	WEIS, ROLF; MÜLLER, BERNT; FROMHERZ, PETER; "Neuron Adhesion on a Silicon Chip Probed by an Array of Field-Effect Transitors"; Physical Review Letters; bearing a date of 01/08/1996; pp. 327-330; Vol. 76, No. 2; The American Physical Society
	n	WESSBERG, JOHAN; STAMBAUGH, CHRISTOPHER R.; KRALIK, JERALD D.; BECK, PAMELA D.; LAUBACH, MARK; CHAPIN, JOHN K.; KIM, JUNG; BIGGS, S. JAMES, SRINIVASAN, MANDAYAM A.; NICOLELIS, MIGUEL A.L.; "Letters to Nature: Real-Time Prediction of Hand Trajectory by Ensembles of Cortical Neurons in Primates"; Nature; bearing a date of 11/16/2000; pp. 361-365; Vol. 408; Macmillan Magazines Lid; located at: www.nature.com
	IK	WHITE, DAVE; "Mini Robot Explores, Gives you Medicine from Within"; Mobile Magazine; bearing a date of 02/27/2007; p. 1; located at: http://www.mobilemag.com/content/100/313/C11869/ ; printed on 03/08/2007
	IL	YUSA, GO; MURAKI, KOJI; TAKASHINA, KEI; HASHIMOTO, KATSUSHI; HIRAYAMA, YOSHIRO; "Controlled multiple quantum coherences of nuclear spins in a nanometre-scale device"; Nature; April 21, 2005; pp. 1001-1005; Vol. 434; 2005 Nature Publishing Group; www.nature.com/nature
	IM	"Zyvex NanoEffector Microgrippers"; Nanotechnology at Zyvex; printed on 12/7/2006; pp. 1-2; located at http://www.zyvex.com/Products/Grippers_Features.html
	IN	"Zyvex NanoEffector Microgrippers"; Zyvex.com; bearing a date of 2006; pp. 1-2; Zyvex Corporation

OMB 0651-0031			
Examiner		Date	
Signature	/Scott Medway/	Considered	06/04/2009
*EXAMINER: Initia	l if reference considered, whether or not citation is	in conformance with MPEP 609. Draw line	through citation if not in conformance

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